

Sam Ochi
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IN THE CLAIMS:

Please amend claims 1 and 12 as the following:

02

1 1. (Amended) An active power filter, comprising:
2 a feedback resistor having first and second terminals;
3 a shunt capacitor having positive and negative terminals;
4 an operational amplifier equivalent subcircuit that includes negative
5 feedback and having positive and negative input terminals and having an output terminal;
6 and
7 a voltage drop source having positive and negative terminals;
8 wherein the positive terminal of the shunt capacitor is coupled to a
9 positive terminal of a noisy load device and to a positive terminal of a low noise direct
10 current power supply;
11 wherein the negative terminal of the shunt capacitor is coupled to the
12 second terminal of the feedback resistor and to the positive input terminal of the
13 operational amplifier equivalent subcircuit;
14 wherein the first terminal of the feedback resistor is coupled to the
15 negative terminal of the noisy load device and to the output terminal of the operational
16 amplifier equivalent subcircuit;
17 wherein the positive terminal of the voltage drop source is coupled to the
18 negative terminal of the operational amplifier equivalent subcircuit;
19 wherein the negative terminal of the voltage drop source is coupled to a
20 negative terminal of the low noise direct current power supply.

03

1 12. (Amended) An active power filter, comprising:
2 a feedback resistor having first and second terminals;
3 a shunt capacitor having positive and negative terminals;

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4 an operational amplifier equivalent subcircuit that includes negative
5 feedback and having positive and negative input terminals and having an output terminal;
6 and
7 a voltage drop source having positive and negative terminals;
8 wherein the positive terminal of the shunt capacitor is coupled to a
9 positive terminal of a low noise load device and to a positive terminal of a noisy direct
10 current power supply;
11 wherein the negative terminal of the shunt capacitor is coupled to the
12 second terminal of the feedback resistor and to the positive input terminal of the
13 operational amplifier equivalent subcircuit;
14 wherein the first terminal of the feedback resistor is coupled to the
15 negative terminal of the low noise load device and to the output terminal of the
16 operational amplifier equivalent subcircuit;
17 wherein the positive terminal of the voltage drop source is coupled to the
18 negative terminal of the operational amplifier equivalent subcircuit;
19 wherein the negative terminal of the voltage drop source is coupled to a
20 negative terminal of the noisy direct current power supply.
